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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 10431-17 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/576827
INTERNATIONAL APPLICATION NO. PCT/IB2004/003703	INTERNATIONAL FILING DATE 22 October 2004	PRIORITY DATE CLAIMED 23 October 2003
TITLE OF INVENTION Method of Processing Seismic Data Acquired by Means of Multicomponent Sensors		
APPLICANT(S) FOR DO/EO/US Bruno Gratacos		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

IAP12 Rec'd PCT/PTO 24 APR 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER
10/576827	PCT/IB2004/003703			10431-17
20. Other items or information: PCT Publication No. WO2005/040857 PCT Request Return Postcard				
The following fees have been submitted				CALCULATIONS PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 500
TOTAL OF 21, 22 and 23 =				1000
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
13 - 100 =	0 /50 =		x \$250	\$ 0
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	6 - 20 =	0	x \$ 50	\$ 0
Independent claims	2 - 3 =	0	x \$200	\$ 0
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			0	+ \$360
TOTAL OF ABOVE CALCULATIONS =				\$ 0
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				
SUBTOTAL =				\$ 1000
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$
TOTAL NATIONAL FEE =				\$ 1000
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$
TOTAL FEES ENCLOSED =				\$ 1000
				Amount to be refunded: \$
				Amount to be charged \$ 1000

10/576827

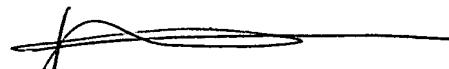
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. 50-2413 in the amount of \$ 1000.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2413. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

David M. Ostfeld
 Adams and Reese LLP
 4400 One Houston Center
 1221 McKinney
 Houston, Texas 77010
 (713) 308-0128



SIGNATURE

David M. Ostfeld
 NAME

27,827
 REGISTRATION NUMBER

10/576827
IAP12 Rec'd PCT/PTO 24 APR 2006

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

PATENT
Docket No.: 10431-17

CERTIFICATION UNDER 37 C.F.R. § 1.10

ED982572585US

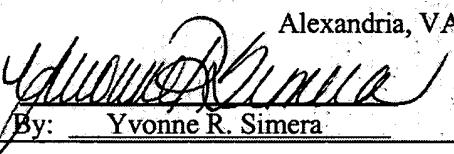
Express Mail Number

April 24, 2006

Date of Deposit

I hereby certify that this Application and the documents referred to as enclosed therein are being deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," addressed to:

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



By: Yvonne R. Simera

April 24, 2006

Date of Signature

NEW APPLICATION TRANSMITTAL FOR FILING UNDER 35 U.S.C. 371

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of:

Applicant: Bruno Gratacos

For (Title): Method of Processing Seismic Data Acquired by Means
Of Multicomponent Sensors

1. Type of Application

This new application is for a(n):

National Phase of PCT/IB2004/003703 filed on October 22, 2004 based on
French Application No. 0312432 filed October 23, 2003.

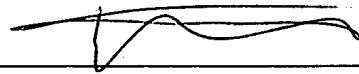
10/576827
USPTO Rec'd PCT/PTO 24 APR 2006

2. **Papers Enclosed Which Are Required For Filing Date Under 35 U.S.C. 371**

- a. Transmittal Letter to the United States Designated/Elected Office (PTO-1390);
- b. Patent Application consisting of 10 pages of specification, 2 pages of claims and 1 page of Abstract;
- c. Two (2) sheets of drawings;
- d. Preliminary Amendment A;
- e. PCT Publication No. WO 2005/040857; and
- f. PCT Request Form.

Please send all future correspondence regarding the above-referenced application to the undersigned at the address appearing below.

Date: April 24, 2006



David M. Ostfeld, Reg. No. 27,827

Send correspondence to:

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